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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CELL CYCLE AND PROLIFERATION PROTEINS

(57) Abstract: The invention provides human cell cycle and proliferation proteins (CCYPR) and polynucleotides which identify and encode CCYPR. The invention also provides expression vectors, host cells, antibodies, agonists, and antagonists. The invention also provides methods for diagnosing, treating, or preventing disorders associated with expression of CCYPR.

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PATENT COOPERATION TREATY

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INVITATION TO PAY ADDITIONAL FEES

(PCT Article 17(3)(a) and Rule 40.1)

<p>(-478) SUPP. IDS. JULY 12, 2002</p> <p>(-478C1) ENTERED IN DOCKET</p> <p>(-478C11) Applicant's or agent's file reference</p> <p>(-478C12) 210121.47802 PC</p> <p>(-478C13) International application No.</p> <p>(-478C14) PCT/US 01/ 22058</p> <p>(-478C15) Applicant</p> <p>(-478C16) CORIXA CORPORATION et al.</p> <p>(-478C17)</p> <p>(-478C18)</p> <p>(-478C19)</p> <p>(-478C20)</p> <p>(-478C21)</p> <p>(-478C22)</p> <p>(-478C23)</p> <p>(-478C24)</p> <p>(-478C25)</p> <p>(-478C26)</p> <p>(-478C27)</p> <p>(-478C28)</p> <p>(-478C29)</p> <p>(-478C30)</p>	<p>AANGETEKEND</p> <p>EINSCHREIBEN</p> <p>RECOMMANDE</p> <p>REGISTERED</p>	<p>Date of mailing (day/month/year) 12/06/2002</p> <p>PAYMENT DUE within 45 days from the above date of mailing</p> <p>International filing date (day/month/year) 10/07/2001</p> <p>PCT-ADD. FEES JULY 27, 2002</p> <p>ENTERED IN DOCKET</p>
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1. This International Searching Authority

- (i) considers that there are 1125 (number of) inventions claimed in the international application covered by the claims indicated below on the extra sheet:

and it considers that the international application does not comply with the requirements of unity of invention (Rules 13.1, 13.2 and 13.3) for the reasons indicated below on the extra sheet:

- (ii) ☒ has carried out a partial international search (see Annex) ☐ will establish the international search report on those parts of the international application which relate to the invention first mentioned in claims Nos.:

Invention 1, Claims 1-19 (all partly)

- (iii) will establish the international search report on the other parts of the international application only if, and to the extent to which, additional fees are paid

2. The applicant is hereby invited, within the time limit indicated above, to pay the amount indicated below:

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Or, _____ x _____ = _____

The applicant is informed that, according to Rule 40.2(c), the payment of any additional fee may be made under protest, i.e., a reasoned statement to the effect that the international application complies with the requirement of unity of invention or that the amount of the required additional fee is excessive.

3. ☐ Claim(s) Nos. _____ have been found to be unsearchable under Article 17(2)(b) because of defects under Article 17(2)(a) and therefore have not been included with any invention.

Name and mailing address of the International Searching Authority
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Authorized officer

Sandra De Jong-van Dam

**Annex to Form PCT/ISA/206
COMMUNICATION RELATING TO THE RESULTS
OF THE PARTIAL INTERNATIONAL SEARCH**

International Application No
PCT/US 01/22058

1. The present communication is an Annex to the invitation to pay additional fees (Form PCT/ISA/206). It shows the results of the international search established on the parts of the international application which relate to the invention first mentioned in claims Nos.:
2. This communication is not the international search report which will be established according to Article 18 and Rule 43.
see 'Invitation to pay additional fees'
3. If the applicant does not pay any additional search fees, the information appearing in this communication will be considered as the result of the international search and will be included as such in the international search report.
4. If the applicant pays additional fees, the international search report will contain both the information appearing in this communication and the results of the international search on other parts of the international application for which such fees will have been paid.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99 38973 A (CORIXA CORP) 5 August 1999 (1999-08-05) page 1 -page 45; claims; examples ---	1-19
X	GÜRE ET AL: "Human lung cancer antigens recognized by autologous antibodies: definition of a novel cDNA derived from the tumor suppressor gene locus on chromosome 3p21.3" CANCER RESEARCH, AMERICAN ASSOCIATION FOR CANCER RESEARCH, BALTIMORE, MD, US, vol. 58, 1 March 1998 (1998-03-01), pages 1034-1041, XP002103188 ISSN: 0008-5472 the whole document ---	1-19
X	CHEN S-L ET AL: "Isolation and characterization of a novel gene expressed in multiple cancers" ONCOGENE, BASINGSTOKE, HANTS, GB, vol. 12, no. 4, 15 February 1996 (1996-02-15), pages 741-751, XP002106655 ISSN: 0950-9232 the whole document --- -/--	1-19



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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**Annex to Form PCT/ISA/206
COMMUNICATION RELATING TO THE RESULTS
OF THE PARTIAL INTERNATIONAL SEARCH**

International Application No
PCT/US 01/22058

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE EMBL [Online] ID: HS1285106, 1 July 1997 (1997-07-01) "ab23f06.r1 Stratagene lung (#937210) Homo sapiens cDNA clone" Database accession no. AA488696 XP002199797</p>	1-6, 8-10,17, 18
Y	abstract	7,11-16, 19
X	<p>--- DATABASE EMBL [Online] 7 June 2000 (2000-06-07) "Homo sapiens cDNA" Database accession no. AW950090 XP002199798</p>	1-6, 8-10,17, 18
Y	abstract	7,11-16, 19
X	<p>--- DATABASE EMBL [Online] ID: HS73234, 5 March 1995 (1995-03-05) Database accession no. T63732.1 XP002199799</p>	1-6, 8-10,17, 18
X	<p>abstract -& HILLIER L ET AL: "GENERATION AND ANALYSIS OF 280,000 HUMAN EXPRESSED SEQUENCE TAGS" GENOME RESEARCH, COLD SPRING HARBOR LABORATORY PRESS, US, vol. 6, 1996, pages 807-828, XP002942261 ISSN: 1088-9051</p>	1-6, 8-10,17, 18
Y	the whole document	7,11-16, 19
P,X	<p>--- WO 00 55375 A (ALPHAGENE INC) 21 September 2000 (2000-09-21) SEQ ID NO: 87, SEQ ID NO: 88 page 443; claim 96</p>	1-19
A	<p>--- ZANGEMEISTER-WITTKE U ET AL: "REVIEW NOVEL APPROACHES TO THE TREATMENT OF SMALL-CELL LUNG CANCER" CMLS CELLULAR AND MOLECULAR LIFE SCIENCES, BIRKHAUSER VERLAG, BASEL, CH, vol. 55, no. 12, September 1999 (1999-09), pages 1585-1598, XP000960960 ISSN: 1420-682X the whole document -----</p>	1-19

Patent Family Annex

Information on patent family members

International Application No

PCT/US 01/22058

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9938973	A	05-08-1999	AU 2344399 A	16-08-1999
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